

# Sameer Korlahalli

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<https://sameerko95.github.io>

## Education

### New York University

M.S. in Computer Science

May 2019

GPA: 3.55/4

### University of Mumbai, India

Bachelor of Engineering, Computers

June 2017

GPA: 3.50/4

## Technical Skills

### Languages:

Python, Go, Java, JavaScript, C#

### Cloud/Data Processing:

AWS, pySpark, Databricks, Striim

### Web Technologies and Databases:

Django, JSP, .NET, AngularJS, MySQL, PostgreSQL, Oracle DB, HTML5, CSS3, Ionic (Mobile), JavaScript, Bootstrap

## Certification/Activities

- Microsoft certified Technology Associate: Web Development Fundamentals (2015 - Present)
- 1<sup>st</sup> Runner up at ASCII, a state level project competition held in April 2017

## Publication

### Standalone Device for Home Automation and Personalized Recommendation

October 2017

DJ ASCII-17

## Work Experience

### Software Engineering Intern - NYU IT Services - New York

June 2018 - Present

- Learning Analytics (Python, AWS & pySpark)
  - Developing data integration services from Oracle DB and video streaming APIs using AWS Lambda, S3, RDS and pySpark for preprocessing
- API Request Approval System (Python, AngularJS & AWS)
  - Developed an API request approval system for APIs pertaining to all departments and schools under the university using AWS Lambda as back-end, RDS as database and S3 as a secondary data store

### Full Stack Developer Intern - Big Apple Buddy - New York

March 2018 - June 2018

- Developed a critical module for significantly decreasing the response time to product quotation request to increase conversion rate of leads
- Worked on the design, implementation, deployment as well as its seamless integration with the company's existing workflow
- Developed the module using Django, PostgreSQL, AWS along with Zendesk and FedEx APIs

## Projects

### Detection of Arrhythmia - Signal Processing and Deep Learning

April 2018 - May 2018

- Used signal processing concepts such as Onset Detection for pre-processing, Spectrograms for feature extraction and developed a CNN for detection of arrhythmia using Keras (Python) and HPC

### Food Image Recognition System - AWS, TensorFlow (Python)

December 2017

- Developed an application to recognize food items from an uploaded image and list nearby restaurants offering identified food item
- Used TensorFlow to retrain the penultimate layer of Inception V3 model on a food categories dataset with an accuracy of 90.4%
- Deployed the application using AWS services such as API Gateway, Cognito, EC2, Lambda, RDS and S3

### TweetMap - AWS Serverless Computing (Python)

November 2017

- Designed and implemented a dynamic web application to capture live tweets using the Twitter API and visualize them on a map
- Used SQS to queue live tweets and extracted the sentiment of each tweet using Watson NLU API and Elasticsearch as a storage solution
- Implemented the application using AWS Lambda and API gateway